undescended testis

- **treatment**
  - Hormonal
    - indication
      - sometimes
      - preoperative
      - delayed interference
      - bilateral cases
      - premature e ↓ spermatog.
    - dose
      - total
        - 10000 IU
      - typical course
        - 1500IU/m2
        - 2ice weekly
        - 4 weeks
  - palpable
    - surgery
      - steps
        - not under tension
        - subdartos
        - 3-Fixation
        - 2-herniotomy
        - 1-orcholysis
      - staged orchedopexy
        - short circuit rerouting
        - fowler steven
        - microsur. autotranspla.
        - short test. A.
      - indications
        - ascending
        - retractile most time
        - Ectopic
        - undescending
  - impalpable
    - unilat.
      - laparoscopy
        - atrophic wiz.N. cotralat. T.
          - orchectomy
          - orchidolysis & pexy
        - low & long mesentry
        - High
          - orchidectomy
        - *nubbin* testis
          - orchidectomy
    - bilat.
      - Exclude intersex
        - hormonal
        - karyotype
      - If functionning
        - hormonal ttt
        - failed
          - laparoscopy
            - each testis alone
            - lower & large one 1st
            - wait 3-6ms between
- **incedence**
  - 3% fullterm
  - 30% preterm
  - 1% after 1y
  - 0.8% adult
- **theories of descent**
  - HCG&testosterone
  - differntial body growth
  - ↑intraabd. pressure
  - gubarnaculum
  - unaccepted
- **D.D cryptorchidism**
  - undescended
    - Ectopic
      - above
        - medial
          - pre&infrapubic
        - lat.
          - superfic. inguinal
            - ext. ring
              - +ve
            - contract abdo. ms
              - +ve
      - below
        - medial
          - perineal trasseptal
        - lateral
          - femoral
    - ascending
    - retracted
      - squatting
      - warm bath
      - asleep
      - apeutic test
        - LHRH
- **Types**
  - palpable
    - neck of scrotum
    - ext. R.
    - internal R.
    - inter. canal
  - impalpable
    - high
      - above common iliac
    - low
      - below common iliac
- **impalbable T.**
  - DEF
    - not normal nor ectopic
    - not palpable
    - sites
  - causes
    - abdominal testis
    - Atrophic
      - -ve testis
      - +ve cord
    - congenital
      - Renal agenisis
      - testis agenisis
  - hazards
    - psychological
    - hernia
    - malignant trans.
      - even after surgery
    - Torsion
    - infertility
      - if bilat.
- **Diagnosis**
  - clinical presnt.
    - wiz synd.
      - if bilateral
        - intersex
      - grown perry
      - hypospadius
    - Hernia70%
    - not felt by mother
  - invest
    - best is labaroscopy
    - image
    - hormonal assay
    - to exclude intersex
- **empty scrotum**
  - surgically removed
  - Agentic
  - Atrophic
  - cryptorchidism